

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		S4 and ((capacitor same via) (capacitor same contact) capacitor same interconnect))	USPAT	OR	OFF	2005/05/13 11:18
L1	5796	S4 and ((capacitor same (via contact interconnect hole plug)) (438/393-399).CCLS.	USPAT	OR	OFF	2006/03/29 12:16
			US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 13:53
L2	1991	(257/532).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/29 13:53
L3	7626	L1 or L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 13:53
L4	987	L3 and (metal near5 capacitor)	USPAT	OR	OFF	2006/03/29 13:56
L5	342	L4 and titanium adj nitride	USPAT	OR	OFF	2006/03/29 13:57
L6	29	(US-20010019144-\$).did. or (US-6461914-\$ or US-6346454-\$ or US-6534374-\$ or US-6313003-\$ or US-6124199-\$ or US-5918135-\$ or US-6500724-\$ or US-6426249-\$ or US-6281541-\$ or US-6596579-\$ or US-6596581-\$ or US-6259128-\$ or US-6037216-\$ or US-6524926-\$ or US-6200629-\$ or US-6117747-\$ or US-6329234-\$ or US-6387775-\$ or US-5946567-\$ or US-6001702-\$ or US-6072210-\$ or US-5624864-\$ or US-5479316-\$ or US-6180976-\$ or US-6709918-\$ or US-6803306-\$). did. or (US-6746914-\$ or US-6989313-\$).did.	US-PGPUB; USPAT	OR	ON	2006/03/29 15:32
L7	18	L6 and tungsten	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 15:32

## EAST Search History

L8	9	L6 and (tungsten with (contact plug interconnect))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 15:33
L9	22	("4418470"   "5162258"   "5268315"   "5370766"   "5446311"   "5652173"   "5926359"   "5946567"   "6040226"   "6083785"   "6117747"   "6259128"   "6313003").PN. OR ("6534374").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 15:37
S1	4870	(438/381-399,629).CCLS.	USPAT; USOCR	OR	OFF	2005/05/13 11:14
S2	3404	S1 and capacitor	USPAT	OR	OFF	2005/05/13 11:14
S3	254	S2 and (MIM "metal insulator metal" MOM "metal oxide metal")	USPAT	OR	OFF	2006/03/29 13:55
S4	254	S2 and (MIM "metal insulator metal" metal-insulator-metal MOM "metal oxide metal" metal-oxide-metal)	USPAT	OR	OFF	2005/05/13 11:17
S5	202	S4 and ((capacitor same via) (capacitor same contact) (capacitor same interconnect))	USPAT	OR	OFF	2005/05/13 11:19
S6	172	S4 and ((capacitor with via) (capacitor with contact) (capacitor with interconnect))	USPAT	OR	OFF	2005/05/13 11:19
S7	152	S4 and ((capacitor near10 via) (capacitor near10 contact) (capacitor near10 interconnect))	USPAT	OR	OFF	2005/05/13 11:19
S8	134	S4 and ((capacitor near5 via) (capacitor near5 contact) (capacitor near5 interconnect))	USPAT	OR	OFF	2005/05/13 11:19
S9	125	S4 and ((capacitor adj10 via) (capacitor adj10 contact) (capacitor adj10 interconnect))	USPAT	OR	OFF	2005/05/13 11:20
S10	101	S4 and ((capacitor adj5 via) (capacitor adj5 contact) (capacitor adj5 interconnect))	USPAT	OR	OFF	2005/05/13 11:20
S11	95	S10 and (TiN "titanium nitride" nitride)	USPAT	OR	OFF	2005/05/13 11:24
S12	4876	(438/381-399,629).CCLS.	USPAT; USOCR	OR	OFF	2005/05/17 12:56
S13	3375	S12 and capacitor	USPAT	OR	OFF	2005/05/17 13:09

## EAST Search History

S14	248	S13 and (MIM "metal insulator metal" metal-insulator-metal MOM "metal oxide metal" metal-oxide-metal)	USPAT	OR	OFF	2005/05/17 12:56
S15	49	S14 and damascene and (tungsten W)	USPAT	OR	OFF	2005/05/17 13:02
S16	4	S14 and damascene and ("tungsten plug")	USPAT	OR	OFF	2005/05/17 13:04
S17	4	S14 and damascene and ("tungsten plug" "W-plug")	USPAT	OR	OFF	2005/05/17 13:04
S18	379	S12 and damascene	USPAT	OR	OFF	2005/05/17 13:09
S19	233	S12 and "dual damascene"	USPAT	OR	OFF	2005/05/17 13:09
S20	164	S12 and "dual damascene" and (tungsten "W-plug" "W plug")	USPAT	OR	OFF	2005/05/17 13:17
S21	164	S12 and "dual damascene" and (tungsten "W-plug" "W plug")	US-PPGUB; USPAT; USOCR; DERWENT	OR	OFF	2005/05/17 13:17
S22	164	S12 and "dual damascene" and (tungsten "W-plug" "W plug")	US-PPGUB; USPAT; USOCR; DERWENT	OR	ON	2005/05/17 16:01
S23	4876	(438/381-399,629).CCLS.	USPAT; USOCR	OR	OFF	2005/05/17 16:01
S24	164	S23 and "dual damascene" and (tungsten "W-plug" "W plug")	US-PPGUB; USPAT; USOCR; DERWENT	OR	ON	2005/05/17 16:41
S25	80	S24 and capacitor	US-PPGUB; USPAT; USOCR; DERWENT	OR	ON	2005/05/17 16:01
S26	31	"5933761"	USPAT	OR	OFF	2005/05/17 16:38
S27	2	S23 and "dual damascene" and tungsten.ti.	US-PPGUB; USPAT; USOCR; DERWENT	OR	ON	2005/05/17 16:41
S28	16	"5918135"	USPAT	OR	OFF	2005/05/18 13:50
S29	11	("4481283"   "4971924"   "5227323"   "5563762"   "5571746"   "5576240"   "5610101"   "5658821"   "5674771"   "5744387"   "5753527").PN.	US-PPGUB; USPAT; USOCR	OR	OFF	2005/05/18 13:51
S30	15	("5918135").URPN.	USPAT	OR	OFF	2005/05/18 13:52
S31	1	"6787914"	USPAT	OR	OFF	2005/05/18 14:10

## EAST Search History

S32	24	("4960732"   "5187120"   "5420072"   "5552339"   "5641710"   "5654233"   "5731225"   "5874355"   "5874356"   "5903053"   "5920122"   "6016012"   "6093645"   "6110789"   "6136691"   "6146991"   "6150257"   "6174823"   "6204171"   "6284657"   "6287988"   "6319826"   "6333261"   "6475907").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/05/18 14:11
S33	8	US-6387775-\$ DID. OR US-6329234-\$ DID. OR US-6117747-\$ DID. OR US-5882999-\$ DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 12:16
S34	21	("5406447"   "5479316"   "5736448"   "5812364"   "5813664"   "5946567").PN. OR ("6117747"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:16
S35	55	("5194932"   "5208726"   "5293510"   "5406447"   "5675184"   "5726083"   "5879985"   "5932906"   "5946569"   "5998276"   "6146941"   "6184076"   "6258653"   "6259128").PN. OR ("6329234"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:17
S36	19	("5918135"   "5946567"   "6001702"   "6072210"   "6261951"   "6278147"   "6284149"   "6284619").PN. OR ("6387775"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:17
S37	27	("4737838"   "5338701"   "5554558"   "5571746"   "5614111"   "5618749"   "5624864"   "5631188").PN. OR ("5946567"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:17
S38	15	("5478772"   "5563762"   "5622893"   "5736448").PN. OR ("6001702"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:18
S39	25	("5392189"   "5482886"   "5604696"   "5648290"   "5677222"   "5792690"   "5801079"   "5858831"   "6001685").PN. OR ("6072210"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:18
S40	56	("3481781"   "4091407"   "4133690"   "4371587"   "4692786"   "4866003"   "4901133"   "5065222"   "5128279"   "5139971"   "5310720"   "5374578").PN. OR ("5624864").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:21

## EAST Search History

S41	66	("3518498"   "3864817"   "4638400"   "4731696"   "4785202"   "4831431"   "4937649"   "4959705"   "5053917"   "5086370"   "5369313").PN. OR ("5479316").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:26
S42	129	nam-sang\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 12:26
S43	23	("5053917"   "5356826"   "5440174"   "5708559"   "5801065"   "5851870"   "5912044"   "5985731"   "6117747"   "6180976"   "6207560"   "6259128").PN. OR ("6500724").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:28
S44	21	("20010019144"   "20020197844"   "20030008467"   "20030011043"   "20030032206"   "20030211731"   "20030232481"   "20040126984"   "20040201057"   "20050062130"   "6204116"   "6259128"   "6271082"   "6342734"   "6461914"   "6500724"   "6583491"   "6635498"   "6740974"   "6777776"   "6885081").PN. OR ("6989313").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:30
S45	41	("5312777"   "5530262"   "5612254"   "5708559"   "5712813"   "5808855"   "5895948"   "5982018").PN. OR ("6180976").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/29 12:31

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